

Serial No. 09/483,816

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Claims**No claim is amended in this Amendment:**

- 1           1. (previously presented) A network comprising:  
2           at least three nodes, and  
3           each node comprising a transmitter for transmitting, to other nodes, timing for a plurality of  
4           transmission opportunities of said node and for transmitting at at least one of said transmission  
5           opportunities to initiate data transmission to another node, and  
6           each of at least two of said nodes comprising logic for holding data indicative of an expected time  
7           and an expected frequency of at least one future transmission opportunity of each of a plurality of nodes,  
8           and  
9           each of said at least two of said nodes comprising a receiver for receiving transmissions at  
10          transmission opportunities of at least one of said plurality of nodes..  
1           2. (original) The network of claim 1 wherein:  
2           said transmission opportunities are at time intervals and frequencies that are determined  
3           according to at least one sequence that is unique for each said node.  
1           3. (original) The network of claim 1 wherein:  
2           said transmitter is for transmitting said timing by transmitting beacons at time intervals and  
3           frequencies that are determined according to at least one sequence that is unique for each said node.  
1           4. (original) A method of operating a network comprising:  
2           transmitting, from each node, timing for a plurality of transmission opportunities of said node,  
3           and transmitting at at least one of said transmission opportunities to initiate data transmission to another  
4           node, and  
5           holding, each of at least two of said nodes, data indicative of an expected time and an expected  
6           frequency of at least one future transmission opportunity of each of a plurality of nodes, and  
7           receiving, at each of said at least two of said nodes, transmissions at transmission opportunities of  
8           at least one of said plurality of nodes.  
1           5. (original) The method of claim 4 further comprising:  
2           determining time intervals and frequencies of said transmission opportunities, at each said node,  
3           according to at least one sequence that is unique for each said node.  
1           6. (original) The method of claim 4 further comprising:  
2           transmitting said timing by transmitting beacons at time intervals and frequencies that are  
3           determined according to at least one sequence that is unique for each said node.

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- 1           7. (original) A network node comprising:  
2           a transmitter for transmitting, to other nodes, timing for a plurality of transmission opportunities  
3 of said node and for transmitting at at least one of said transmission opportunities to initiate data  
4 transmission to another node, and  
5           logic for holding data indicative of an expected time and an expected frequency of at least one  
6 future transmission opportunity of each of a plurality of nodes, and  
7           a receiver for receiving transmissions at transmission opportunities of at least one of said plurality  
8 of nodes.
- 1           8. (original) The node of claim 7 wherein:  
2           said transmission opportunities are at time intervals and frequencies that are determined  
3 according to at least one sequence that is individual for said node.
- 1           9. (original) The node of claim 7 wherein:  
2           said transmitter is for transmitting said timing by transmitting beacons at time intervals and  
3 frequencies that are determined according to at least one sequence that is individual for said node.
- 1           10. (original) A method of operating a network node comprising:  
2           transmitting, to other nodes, timing for a plurality of transmission opportunities of said node, and  
3 transmitting at at least one of said transmission opportunities to initiate data transmission to another node,  
4 and  
5           holding data indicative of an expected time and an expected frequency of at least one future  
6 transmission opportunity of each of a plurality of nodes, and  
7           receiving transmissions at transmission opportunities of at least one of said plurality of nodes.
- 1           11. (original) The method of claim 10 further comprising:  
2           determining time intervals and frequencies of said transmission opportunities, at said node,  
3 according to at least one sequence that is individual for said node.
- 1           12. (original) The method of claim 10 further comprising:  
2           transmitting said timing by transmitting beacons at time intervals and frequencies that are  
3 determined according to at least one sequence that is individual for said node.
- 1           13. (original) A network comprising:  
2           at least three nodes, and  
3           each node comprising a transmitter for transmitting data according to timing for transmissions,  
4 wherein said node is capable of producing said timing for transmissions in the absence of any information  
5 of other nodes timing, and

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6 each of at least two of said nodes comprising a receiver for receiving transmissions from each of  
7 a plurality of said nodes, and said receiver comprising a tracking mechanism for tracking  
8 contemporaneously timing for transmissions of each of a plurality of said nodes.

1 14. (original) The network of claim 13 wherein:

2 said tracking mechanism comprises logic for holding data indicative of an expected time and an  
3 expected frequency of at least one future beacon transmission from each of a plurality of nodes.

1 15 (original) The network of claim 13 wherein:

2 said transmitter is for transmitting said timing for transmissions by transmitting beacons at time  
3 intervals and frequencies that are determined according to at least one sequence that is unique for each  
4 said node.

1 16. (original) The network of claim 13 wherein:

2 said transmitter is for transmitting said data at time intervals and frequencies that are determined  
3 according to at least one sequence that is unique for each said node.

1 17. (original) A method of operating a network comprising:

2 producing, at each node, timing for transmissions that is independent of other nodes' timings for  
3 transmissions, and transmitting data according to said timing, and

4 tracking, at said each node, contemporaneously timing for transmission of a plurality of nodes,  
5 and

6 receiving transmissions, at said each node, from at least one of said plurality of nodes in  
7 accordance with said tracking.

1 18. (original) The method of claim 17 further comprising:

2 holding, at said each node, data indicative of an expected time and an expected frequency of at  
3 least one future transmission from each of a plurality of nodes.

1 19 (original) A network node comprising:

2 a transmitter for transmitting data according to timing for transmissions, wherein said node is  
3 capable of producing said timing for transmissions in the absence of any information of other nodes'  
4 timing, and

5 a receiver for receiving transmissions from each of a plurality of nodes, and said receiver  
6 comprising a tracking mechanism for tracking contemporaneously timing for transmissions of each of a  
7 plurality of nodes.

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1 20. (original) The node of claim 19 wherein:

2 said tracking mechanism comprises logic for holding data indicative of an expected time and an  
3 expected frequency of at least one future beacon transmission from each of a plurality of nodes.

1 21. (original) The node of claim 19 wherein:

2 said transmitter is for transmitting said timing for transmissions by transmitting beacons at time  
3 intervals and frequencies that are determined according to at least one sequence that is individual for said  
4 node.

1 22. (original) The node of claim 19 wherein:

2 said transmitter is for transmitting said data at time intervals and frequencies that are determined  
3 according to at least one sequence that is individual for said node.

1 23. (previously presented) A method of operating a network node comprising:

2 producing timing for transmissions that is independent of other nodes' timings for transmissions,  
3 and transmitting data according to said timing, and

4 tracking contemporaneously timing for transmission of each of a plurality of nodes, and

5 receiving transmissions from at least one of said plurality of nodes in accordance with said  
6 tracking.

1 24. (original) The method of claim 23 further comprising:

2 holding data indicative of an expected time and an expected frequency of at least one future  
3 transmission from each of a plurality of nodes.